

Jamesia tetrapetala N. & P. Holmgren**WAXFLOWER**

FAMILY: *Hydrangeaceae*, the hydrangea family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G2 S2**

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species in Nevada.

USFS: Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.

POPULATION CENSUS (NEVADA): **8 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 9 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals unknown**, total estimated **area unknown**.

TREND: unknown.

IMPACTS AND MAJOR THREATS (NEVADA): No summary available (see references).

INVENTORY EFFORT (NEVADA): Not yet systematically surveyed in Nevada. Most recent entered survey 1994, average year of last survey 1985. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 11.1%; **11-20 yrs:** 77.8%; **31-50 yrs:** 11.1%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: Humboldt-Toiyabe National Forest, National Park Service, U. S. Bureau of Land Management, designated wilderness, private lands (?).

RANGE: Lincoln, Nye, and White Pine counties, Nevada; also in UT. Maximum Nevada **range dimension 161.2 km (100.2 mi)** excluding most disjunct record.

ELEVATIONS RECORDED (NEVADA): 7000-10720 feet (2134-3267 meters).

HABITAT (not yet reviewed for Nevada): "Crevices in limestone cliffs. 2000-3300 m elevation."

PHENOLOGY: no summary available. Range of most frequent **survey months:** June-August.

DESCRIPTION: A fragrant, spreading shrub, 3-10 dm tall. Produces solitary, 4-petaled flowers at the ends of the branches. Petals are white with pink margins.

PHOTOGRAPHS: Atwood et al. (1991).

ILLUSTRATIONS: Atwood et al. (1991), Cronquist et al. (1997).

OTHER GENERAL REFERENCES (listed separately): Welsh et al. (1993).

SPECIFIC REFERENCES:

Holmgren, N. and P. Holmgren. 1989. A taxonomic study of *Jamesia* (Hydrangeaceae). *Brittonia* 41: 335-350.

Lyman, J. and A. Sanders. 1993. Mount Moriah botanical survey, Mount Moriah Wilderness-Humboldt National Forest, White Pine County, Nevada. Riverside: University of California, DRAFT report prepared for the Humboldt National Forest, Ely, Nevada.

OF FURTHER INTEREST: Genus of two species.
